

**REMARKS**

Claim 1 has been amended to recited that the claimed protein is expressed from a bacterial source. Support is provided at e.g., p. 34, line 4 in the present application and p. 32, line 10 of 60/139,172 filed June 15, 1999. Claims 29 and 30 are rendered redundant by the amendment and have been cancelled. This amendment should not be construed as acquiescence in any ground of rejection.

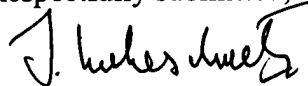
Claim 1, as amended, is further distinguished from Gurney in that when expression occurs in a bacterial source one would not expect proper processing of a mammalian leader and or pro region to occur, and hence would not expect to end up with a protein lacking amino acid residues 1-45 of SEQ ID NO:2 unless these amino acids were deleted from the construct being expressed. Gurney does not identify residues 1-45 as constituting the prepro region. Tang does not compensate for this deficiency for the reasons indicated in the previous response.

Claim 1, as amended, is further distinguished from US 5,744,346 for purposes of obviousness type double patenting in that US 5,744,346 does not claim beta secretase expressed from a bacterial source. As noted in the present specification at p. 34, line 4, the bacterially expressed form differs from that expressed in mammalian cells due to substantial lack of glycosylation.

Applicants will defer comment on the Examiner's other remarks pending determination whether they are maintained in the next office action following the present RCE filing.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,



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Appl. No. 09/723,722

PATENT

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Examining Group 1652

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Attachments

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